


3503 Rec'd: CT/PTO 03 OCT 2005

<b>U. S. PATENT AND TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE</b>  <b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER  ITT0055P
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  <b>10/551564</b>
INTERNATIONAL APPLICATION NO. PCT/GB2004/001437	INTERNATIONAL FILING DATE 2 April 2004	PRIORITY DATE CLAIMED 4 April 2003
TITLE OF INVENTION INDOLE ACETAMIDES AS INHIBITORS OF THE HEPATITIS C VIRUS NS5B POLYMERASE		
APPLICANT(S) FOR DO/EO/US Salvatore Avolio, Marcello Di Filippo, Steven Harper, Frank Narjes, Barbara Pacini, Marco Pompei and Michael Rowley		
<b>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</b>  1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures [35 U.S.C. 371(f)]. The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (PCT Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed [35 U.S.C. 371(c)(2)] a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)]. a. <input type="checkbox"/> is attached hereto b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]. a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)]. 9. <input type="checkbox"/> An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)]. 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)]. <b>Items 11 to 20 below concern other document(s) or information included:</b> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Communication Accompanying Transmittal Letter		
<div style="text-align: right;"><b>DATE OF DEPOSIT</b> 10/3/05 <b>EXPRESS MAIL NO.</b> EV660612794 I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL "POST OFFICE TO ADDRESSEE" ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VIRGINIA 22313-1450. <b>MAILED BY</b> Linda Zehren Computer generated form "TransLetter (DO-EO-US)" (PCT Folder), Merck &amp; Co., Inc., 07/08/2005 10-3-05</div>		

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/551564</b>		INTERNATIONAL APPLICATION NO. PCT/GB2004/001437		ATTORNEY'S DOCKET NUMBER ITT0055P	
The following fees are submitted:				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee.....				\$300	\$300.00
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....				\$0	
All other situations.....				\$200	\$200.00
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....				\$0	
Search fee [37 CFR 1.445(a)(2)] has been paid on the international application to the USPTO as an International Searching Authority.....				\$100	\$400.00
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB .....				\$400	
All other situations.....				\$500	
<b>TOTAL OF 21, 22 and 23=</b>				<b>\$900.00</b>	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
120 - 100 =	20 /50	0.4 = 1		X \$250.00	\$250.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 CFR 1.492(e)].					
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims		9 - 20 =	0	X \$50.00	\$0.00
Independent Claims		1 - 3 =	0	X \$200.00	\$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	
<b>TOTAL OF ABOVE CALCULATIONS (SUBTOTAL)</b>				<b>=</b>	<b>\$1,150.00</b>
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date [37 CFR 1.492(f)].				+	
<b>TOTAL NATIONAL FEE</b>				<b>=</b>	<b>\$1,150.00</b>
Fee for recording the enclosed assignment [37 CFR 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				+	
<b>TOTAL FEES ENCLOSED</b>				<b>=</b>	<b>\$1,150.00</b>
				Amount to be refunded:	
				Amount to be charged:	
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-2755</u> in the amount of <u>\$1,150.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to the Deposit Account No. <u>13-2755</u> . A duplicate copy of this sheet is enclosed.					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must be filed and granted to restore the International Application to pending status.</b>					
SEND ALL CORRESPONDENCE TO:					
Customer No. 000210					
MERCK & CO., INC. Patent Department, RY60-30 P.O. Box 2000 126 East Lincoln Avenue Rahway, New Jersey 07065-0970					
DATE: <u>October 3, 2005</u>				 SIGNATURE	
PHONE #: <u>(732) 594-3462</u>				<u>Kenneth R. Walton</u> NAME	
				<u>32,951</u> REGISTRATION NUMBER	

10/551564

JC12 Rec'd PCT/PTC 03 OCT 2005

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Avolio et al.

Serial No.: Not Yet Assigned (U.S. National Phase Application of  
International Application No. PCT/GB2004/001437, filed  
April 2, 2004)

Docket No. ITT0055P

Mailed: October 3, 2005 (Express Mail)

For: INDOLE ACETAMIDES AS INHIBITORS OF THE  
HEPTATITIS C VIRUS NS5B POLYMERASEArt Unit:  
Not Yet AssignedExaminer:  
Not Yet AssignedCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450COMMUNICATION ACCOMPANYING TRANSMITTAL LETTER

Sir:

This communication accompanies the transmittal letter for the U.S. national phase filing of International Application No. PCT/GB2004/001437 (filed April 2, 2004) under 35 U.S.C. § 371. It is believed that a copy of the International Application as filed and a copy of amendments to the claims of the International Application under PCT Article 19 have been communicated by the International Bureau. However, since no documentation has been found in Applicants' file confirming communication by the International Bureau and out of an abundance of caution, Boxes 5.a. and 7.a. in the transmittal letter have been checked and a copy of the International Application and the Article 19 amendments are being submitted herewith.

**EXPRESS MAIL CERTIFICATE**

DATE OF DEPOSIT 10/3/05  
EXPRESS MAIL NO. EV660612179US  
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS  
BEING DEPOSITED WITH THE UNITED STATES POSTAL  
SERVICE AS EXPRESS MAIL "POST OFFICE TO ADDRESSEE"  
ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO  
COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VIRGINIA 22313-1450.  
MAILED BY Linda Lehrer  
DATE 10-3-05

Respectfully submitted,

By

Kenneth R. WaltonKenneth R. Walton, Reg. No. 32,951  
Attorney for Applicants  
MERCK & CO., Inc.  
P.O. Box 2000  
Rahway, New Jersey 07065-0907  
Tel.: (732) 594-3462

Date: October 3, 2005